

REFRESHING DATA SECTORS IN A DATA STORAGE DEVICE

ABSTRACT OF THE DISCLOSURE

5 Data on a storage medium are refreshed by reading the data from
a first location on the storage medium, storing them to a second location,
and reading the data from the second location and storing them at the
first location. The first and second locations are first and second physical
locations and a logical address is initially associated with the first
10 physical location. When the data are stored at the second location, the
association of the logical address is changed to the second physical
location. When the data are stored again at the first location, the
association of the logical address is changed to the first physical address.
The process is performed iteratively on the basis of successive logical
15 block addresses. If the storing the data at the first location is interrupted,
the data is re-read from the second location, and re-stored to the first
location.